

DECUS NO.

8-563

TITLE

TAPE

AUTHOR

Russell Lyons

COMPANY

8 Gould Road Lexington, Massachusetts

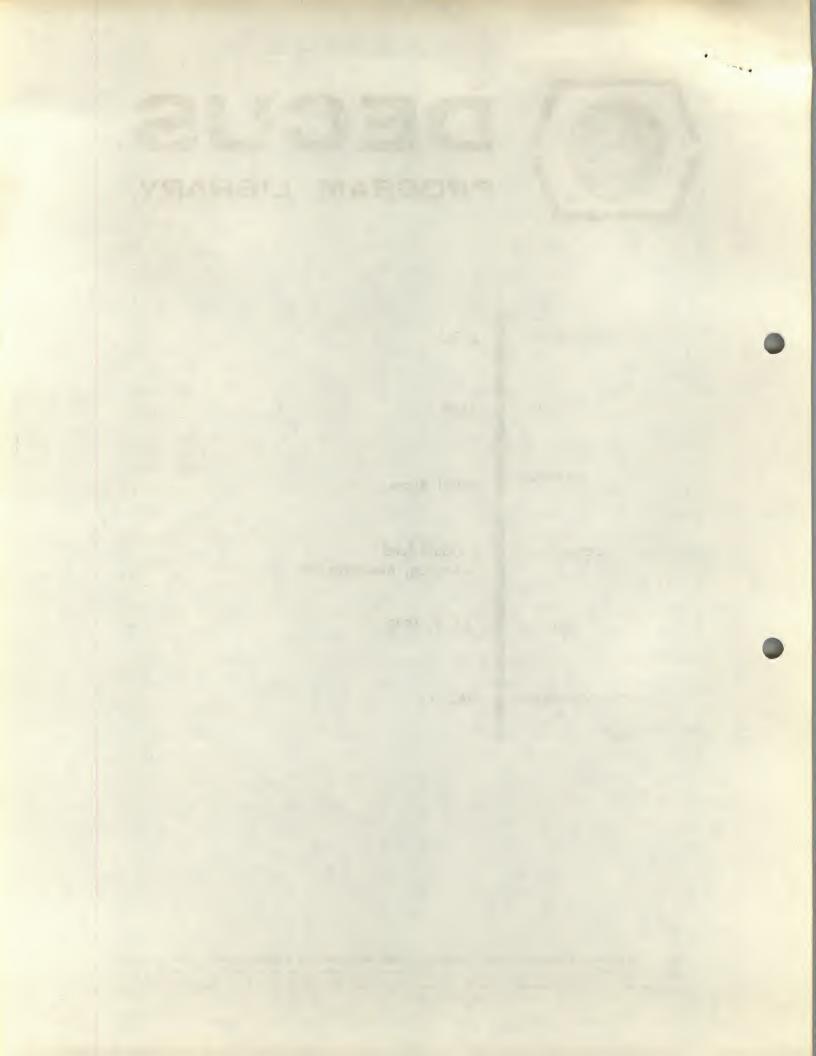
DATE

July 1, 1972

SOURCELANGUAGE

PAL-D

Although this program has been tested by the contributor, no warranty, express or implied, is made by the contributor, Digital Equipment Computer Users Society or Digital Equipment Corporation as to the accuracy or functioning of the program or related program material, and no responsibility is assumed by these parties in connection therewith.



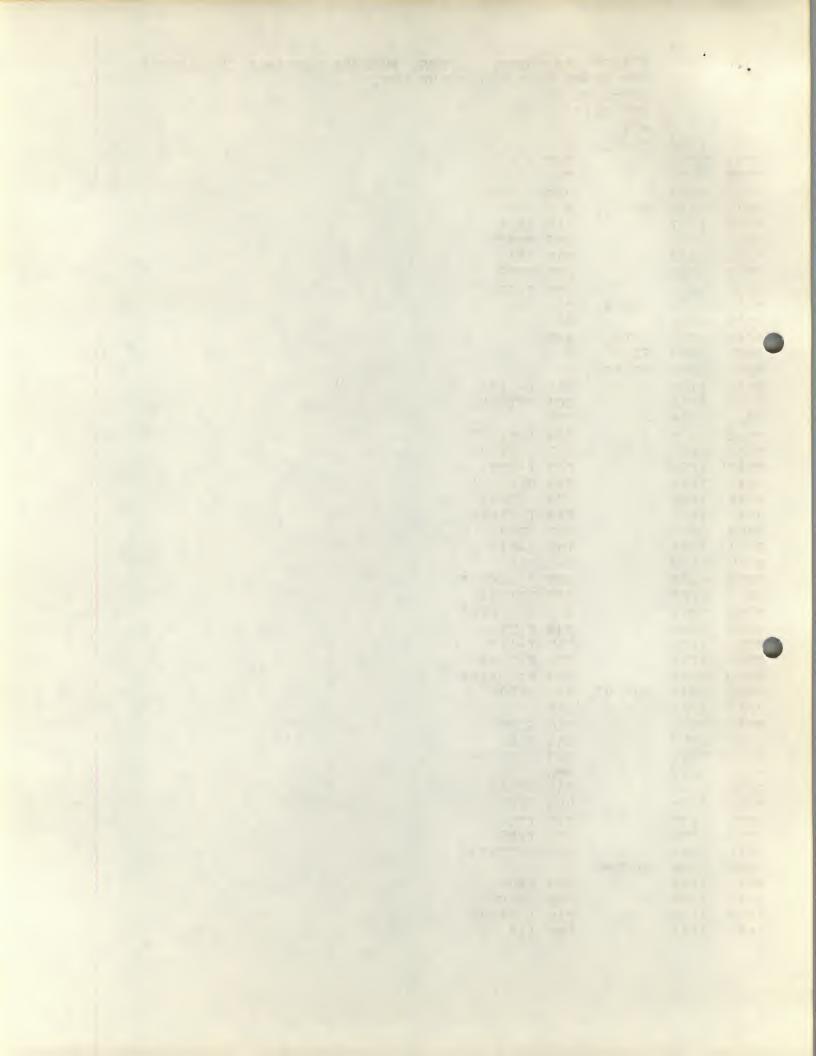
## TAPE

This program will punch readable characters 8 holes high and proportional in width on paper tape using the low speed punch. TAPE can punch all characters from 240 to 337 (ASCII). Leader and trailer tape is punched at the beginning and at the end. It can punch from 0 to 409.5 inches.

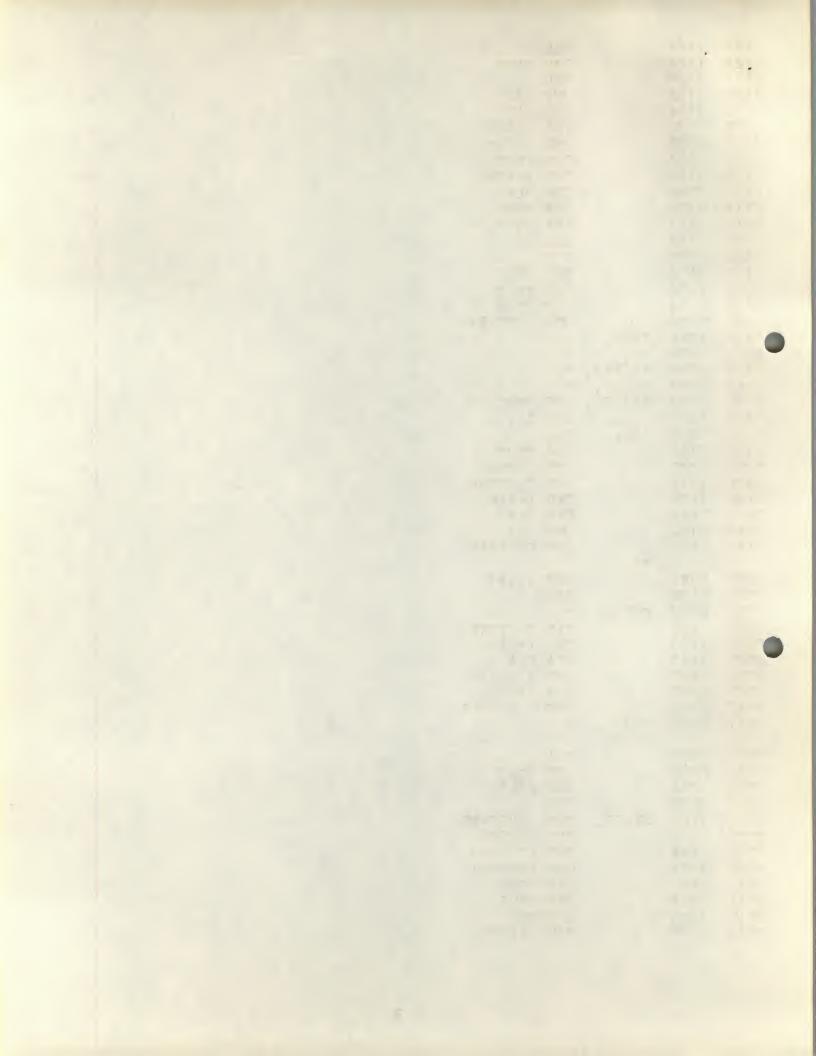
The starting address of TAPE is 0. The program will first ask if you want instructions. Type "Y" for "yes," any other character for "no." If you want 20.3 inches of leader tape, reply "203" to the question, "HOW MANY 1/10 THS OF INCHES OF LEADER TAPE DO YOU WANT?" After asking how much trailer tape you want (reply the same way), it will print, "TYPE IN YOUR MESSAGE." This can be of any length from 0 to 2047 characters long. So that you can read everything you type, a carriage return/line feed will automatically be printed at the end of every line. When you're finished, hit the RETURN key and turn on the LSP. Hit any key and the punching will begin. When it finishes punching the trailer tape, if any. turn off the LSP. Hit any key again and you will be able to type a new message. RUBOUT will cause a backslash to be typed and the previous character to be deleted. If, after typing a full line and a carriage return/line feed has been printed, you want to delete a (some) character(s), RUBOUT will work exactly as if it was just one line. If the RUBOUT key is struck and you haven't typed anything or have deleted everything, nothing will be typed and it won't affect anything. CTRL/C will restart the program. Typing more than 2047 characters (excluding the RETURN at the end) will cause part of TAPE to be destroyed. The only way to stop the program is to type CTRL/B.

```
/ON PAPER TAPE USING THE LSP.
             UND=6493
             SRA=6417
             *20
0020
             TYPF,
      0000
0021
      6046
                      TLS
0022
      7200
                      CLA
0023
      5427
                      JMP I TYPE
             CRLF,
0024
      0000
0025
                      TAD (215
      1177
                      JMS TYPE
MM26
      4020
0027
      1176
                      TAD (212
0030
      4020
                      JMS TYPF
0031
                      JMP I CRLF
      5424
0032
      0000
             INSTR.
                      9
0033
      0000
                      0
             KSTORF.
0034
      4000
                      4000
0035
      0000
                      0
             STORE.
             ACCEPT,
0036
      2000
                      2
0037
      1175
                      TAD (-110
      3126
                      DCA RETURN
MAAR
7011
      6036
                      KRB
                      DCA I STORE
3242
      3435
      1435
                      TAD I STORE
0043
0044
      1174
                      TAD (-377
00.45
      7650
                      SNA CLA
                      JMP RUBOUT
0046
      5062
0047
      1435
                      TAD I STORF
                      ISZ STORF
0050
      2035
0051
      1173
                      TAD (-215
0052
      7650
                      SNA CLA
0053
      5436
                      JMP I ACCEPT
                      IST RETURN
0054
      2126
0055
      5041
                      JMP ACCEPT+3
0056
                      JMS CRLF
      4924
2257
                      TAD (-110
      1175
2062
                      DCA RETURN
      3126
0061
      5041
                      JMP ACCEPT+3
0062
      1034
             RUBOUT. TAD KSTORE
0063
      7041
                      CIA
0254
      1035
                      TAD STORF
                      SNA CLA
0065
      7650
                      JMP ACCFPT+3
0066
      5041
0067
      7040
                      CMA
      1035
                      TAD STORE
9979
0071
      3035
                      DCA STORE
9972
      1172
                      TAD ("1
                      JMS TYPE
0073
      4020
      5054
                      JMP RUBOUT-6
2074
             NUMBER.
0075
      0000
                      0
                      DCA KNUM
0076
      3124
                      JMS CHECK
0077
      4002
0100
      1435
                      TAD I STORE
2101
      0171
                      AND (17
```

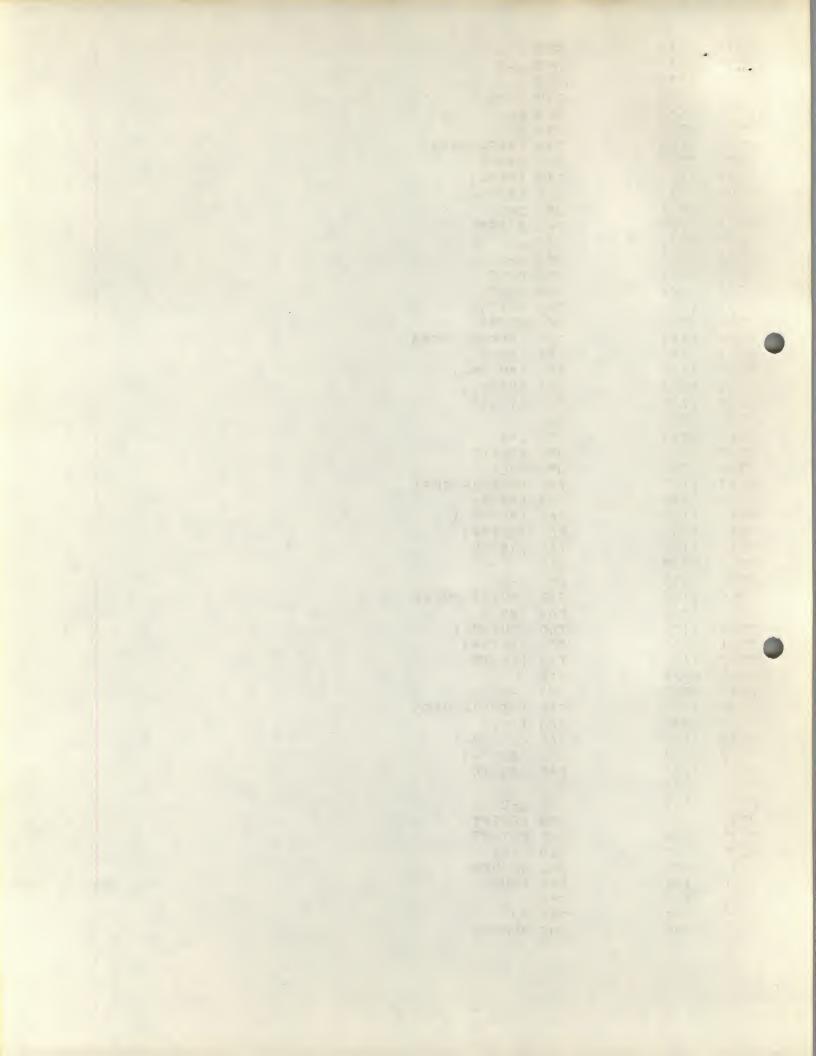
/"TAPE" BY RUSSFLL LYONS. PUNCHES READABLE CHARACTERS



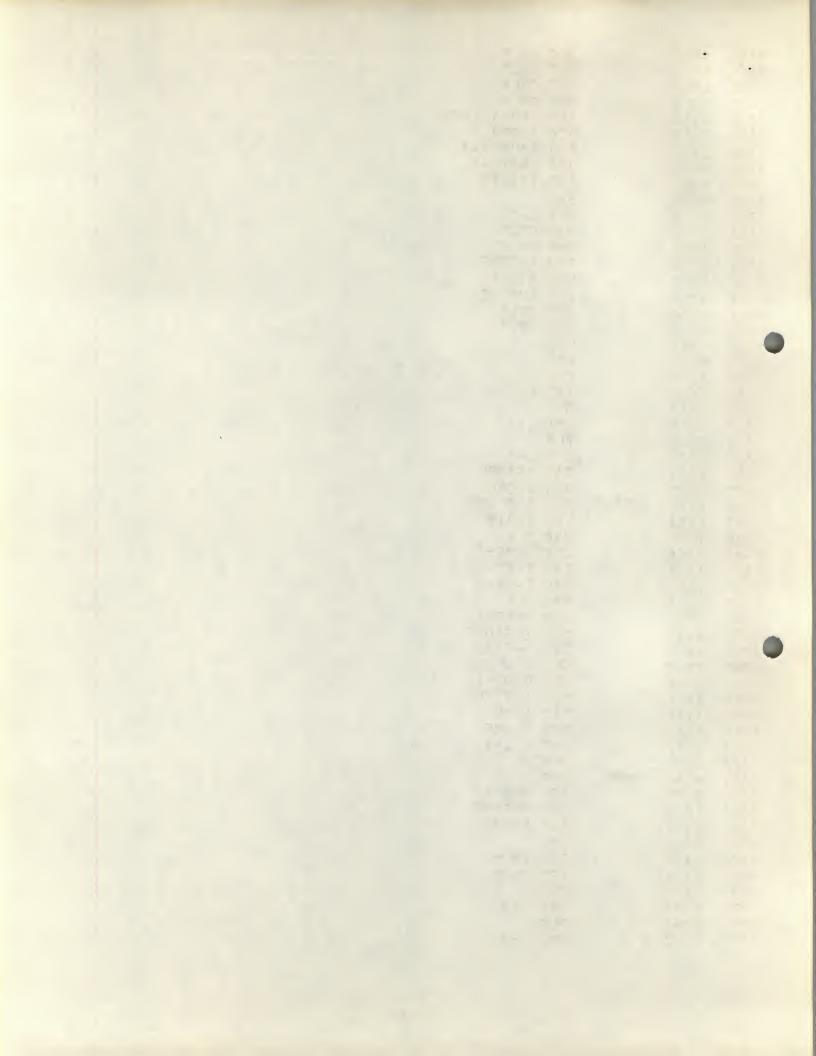
```
0102
       7100
                       CLL
0103
       1124
                       TAD KNUM
0104
       7430
                       SZL
0105
       5132
                       JMP MAX
0106
       3124
                       DCA KNUM
0107
       2035
                       ISZ STORE
0110
       4002
                       JMS CHECK
0111
       1124
                       TAD KNUM
2112
       1170
                       TAD (-632
                       SMA CLA
2113
       7700
P114
       5132
                       JMP MAX
                       TAD KNUM
9115
       1124
0115
       7124
                       CLL PAL
@117
       7006
                       PTL
0120
       1124
                       TAD KNUM
0121
       1124
                       TAD KNUM
0122
       3124
                       DCA KNUM
M123
                       JMP NUMBFR+3
       5100
             KNUM,
0124
       9999
                       0
             KJ.
@125
       0000
                       0
             RETURN.
0126
       9999
                       9
0127
       0000
             PLACE
                       0
             FINISH,
M130
                       JMS TYPE
       4020
7131
       5527
                       JMP I .-2
0132
      7240
             MAX,
                       STA
0133
                       DC4 KNUM
      3124
0134
      2035
                       ISZ STORF
0135
       1435
                       TAD I STORE
0136
      1173
                       TAD (-215
0137
      7640
                       SZA CLA
2140
      5134
                       JMP .- 4
2141
      5007
                       JMP CHFCK+5
             *0
0000
       5401
                       JMP I .+1
0001
      2400
                       2400
             CHFCK,
0002
      9999
                       0
0003
       1435
                       TAD I STORE
0004
       1173
                       TAD (-215
9995
                       SZA CLA
      7640
9996
      5402
                       JMP I CHECK
                       ISZ STORE
0007
      2035
2010
      5475
                       JMP I NUMBER
             TFMP,
0011
       9999
                       2
             *200
0200
       7200
                       CLA
0201
      4024
                       JMS CRLF
P202
      4024
                       JMS CRLF
0203
                       DUP
      6402
0204
             START,
       1167
                       TAD [QUES-YES
0205
      3032
                       DCA INSTR
0206
      1166
                      TAD [QUES-1
0207
      3033
                       DCA INSTR+1
0210
      4024
                       JMS CRLF
P211
      4024
                       IMS CRLF
                     . JMS CRLF
0212
      4924
0213
       1165
                       TAD [INSTR
```



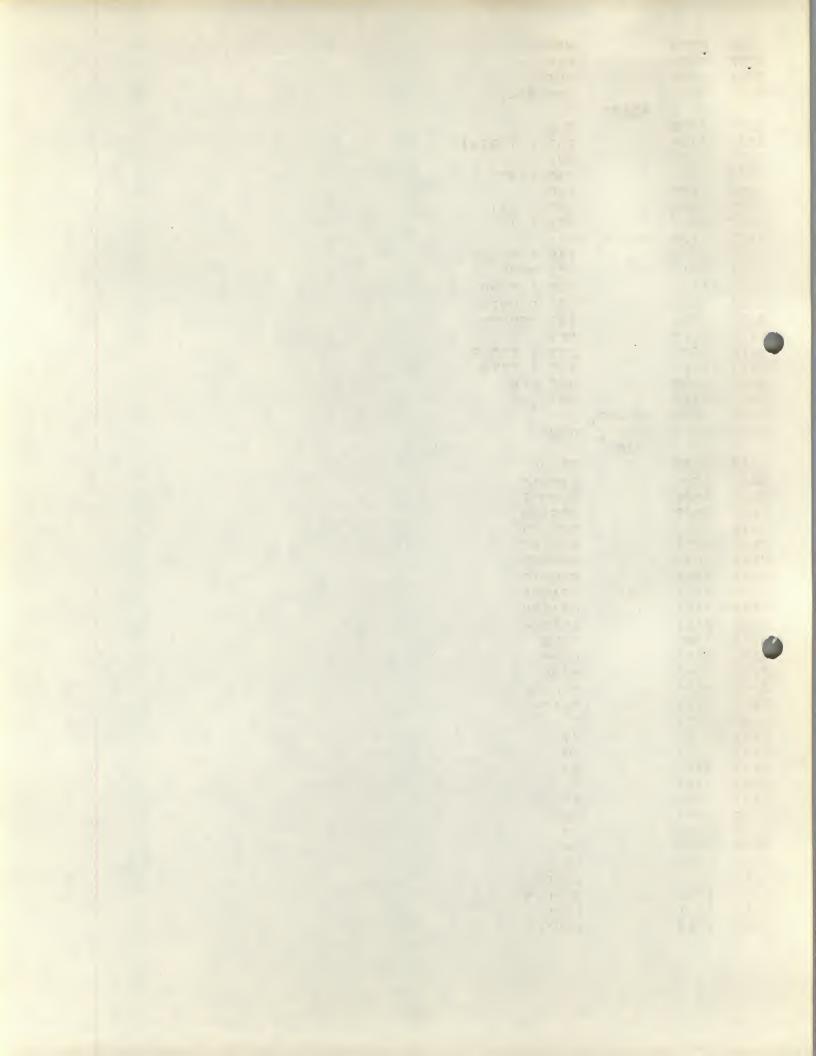
```
0214 . 6040
                       SAS
0215
       5213
                       JMP .-2
0216
       6036
                       KRB
2217
       1164
                       TAD [-"Y
9220
       7640
                       SZA CLA
7221
       5233
                       JMP NO
9222
       1163
                       TAD [YFS-QUES2
0223
       3032
                      DCA INSTR
0224
       1162
                      TAD [YES-1
P225
       3033
                      DC4 INSTR+1
0226
       4024
                       JMS CRLF
2227
      1165
                      TAD [INSTR
0230
       5040
                       SAS
0231
       5227
                       JMP .-2
0232
       4024
                       JMS CRLF
             NO.
M233
       4024
                       JMS CRLF
0234
       1034
                      TAD KSTORE
0235
      3035
                      DCA STORF
2236
      1161
                      TAD [QUES2-QUES3
0237
      3032
                      DCA INSTR
0240
       1160
                      TAD [QUES2-1
7241
      3033
                      DCA INSTR+1
7242
      1165
                      TAD [INSTR
7243
      6040
                      SAS
                      JMP .-2
0244
      5242
0245
      4036
                      JMS ACCEPT
0246
      4024
                      JMS CRLF
0247
      1157
                      TAD [OUFS2-STOP!
0250
      3032
                      DCA INSTR
7251
      1160
                      TAD [QUES2-1
M252
      3033
                      DCA INSTR+1
0253
      1165
                      TAD [INSTR
0254
                      SAS
      6040
                      JMP .-2
0255
      5253
                      TAD [QUES3-QUES4
0256
      1156
0257
      3032
                      DCA INSTR
9269
      1155
                      TAD LOUES3-1
2261
      3033
                      DCA INSTR+1
9262
      1165
                      TAD [INSTR
0263
      6040
                      SAS
P264
      5262
                      JMP .-2
0265
      1154
                      TAD ISTOP2-QUES3
P266
      3032
                      DCA INSTR
0267
      1153
                      TAD [STOP2-1
0270
      3033
                      DCA INSTR+1
0271
      1165
                      TAD [INSTR
2272
      6040
                      SAS
M273
      5271
                      JMP .-2
0274
      4036
                      JMS ACCEPT
0275
      1034
                      TAD KSTORE
P276
      3035
                      DCA STORE
2277
      4075
                      JMS NUMBER
0300
      1124
                      TAD KNUM
9391
      7040
                      CMA
0302
      3125
                      DCA KJ
0303
      4075
                      JMS NUMBER
```



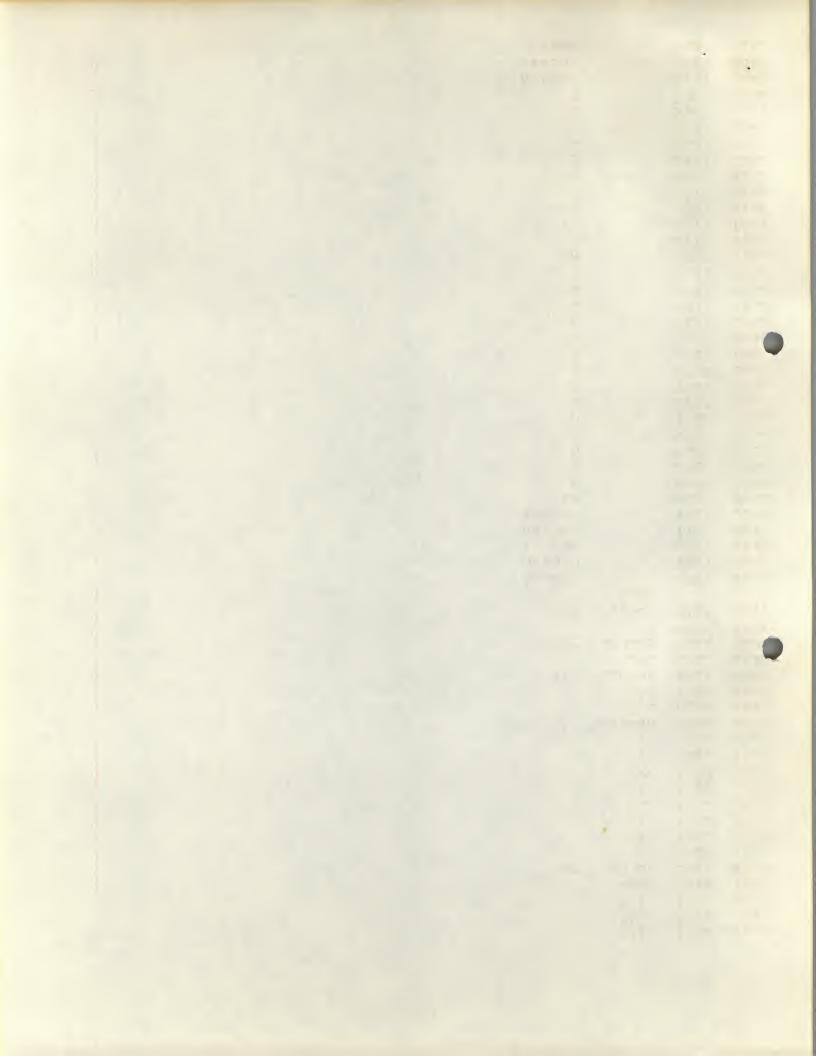
```
JMS CRLF
0304
      4024
                      JMS CRLF
9395
      4024
                      JMS CRLF
0306
      4024
                      JMS CRLF
0307
      4024
                      TAD [ QUES4-FND
      1152
0310
                      DCA INSTR
0311
      3032
                      TAD [OUFS4-1
9312
      1151
                      DCA INSTR+1
9313
      3033
                      TAD [INSTR
      1165
9314
                      SAS
9315
      6840
                      JMP .-2
      5314
7316
                       JMS CRLF
@317
      4024
                       JMS CRLF
0320
      4024
                      TAP KSTORE
9321
      1034
                       D.CA STORE
@322
      3035
                       JMS ACCEPT
0323
      4036
0324
       4024
                       JMS CRLF
                       JMS CRLF
0325
       4024
                       UND
9326
       6403
                       KRB
0327
       6036
                       CLA
0330
       7200
                       ISZ KJ
@331
       2125
                       SKP
0332
       7410
                       JMP .+3
0333
       5336
                       TLS
0334
       6046
                       JMP .- 4
0335
       5331
                       TAD KSTORE
0336
       1034
                       DCA STORE
       3035
0337
                      TAD I STORE
              NTDONF.
       1435
9340
                       TAD [-215
0341
       1173
0342
                       SNA CLA
       7650
                       JMP DONF+3
0343
       5364
                       TAD I STORE
       1435
9344
                       TAD [-240
0345
       1150
                       SPA CLA
2346
       7710
                       JMP DONF+1
9347
       5362
                       TAD I STORE
9350
       1435
                       TAD [-337
0351
       1147
                       SMA SZA CLA
0352
       7740
                       JMP DONF+1
0353
       5362
                       TAD I STORE
9354
       1435
0355
                       TAD [200
       1146
                       DCA PLACE
0356
       3127
                       JMP I .+1
0357
       5760
                       PUNCH
9369
       2407
                       TLS
              DONE,
@361
       6046
                       IST STORF
0362
       2035
                       JMP NTDONE
       5340
9363
                       TAD KNUM
2364
       1124
       7040
                       CMA
 0365
                       DCA KNUM
 9366
       3124
                       IST KNUM
 9367
       2124
                        SKP
 0370
       7418
                       JMP .+3
 2371
       5374
                       TLS
 9372
       6046
                       JMP .- 4
 0273
       5367
```



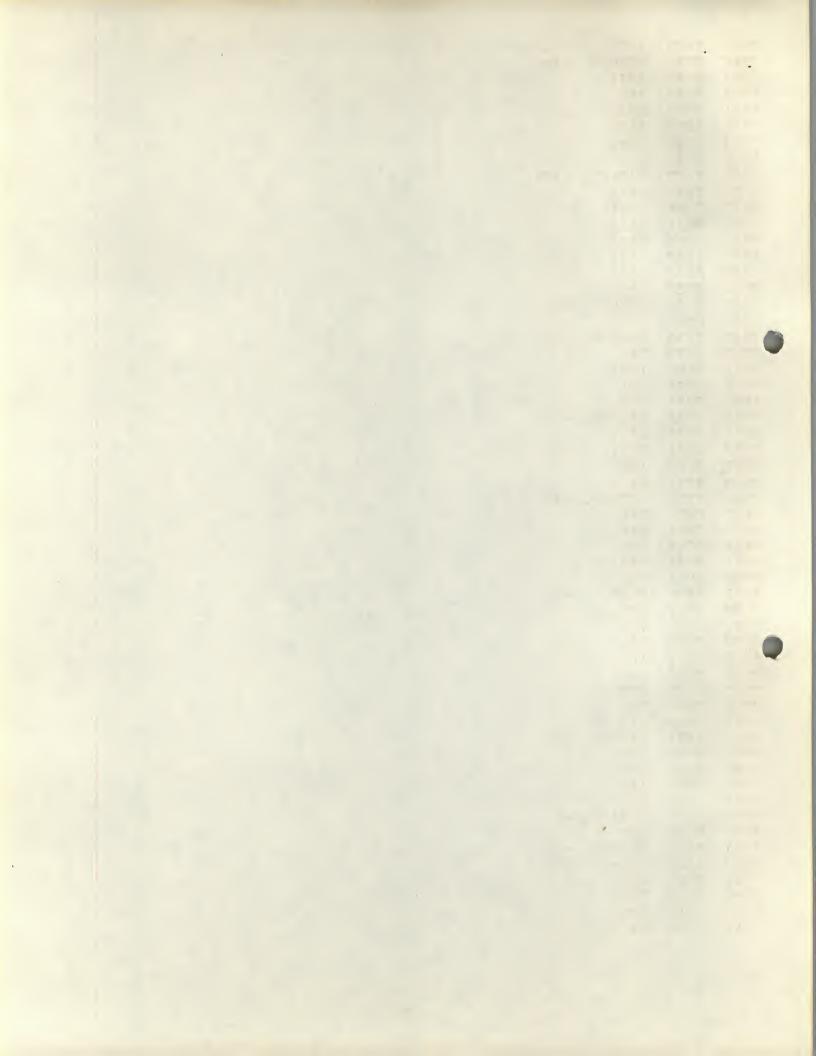
```
0374
        6036
                        KRB
 0375
        7200
                        CLA
 M376
        6402
                        DUP
 Ø377
       5232
                        JMP NO-1
              *2400
2400
       7200
                        CLA
2401
       1145
                        TAD [START-1
2402
       6417
                        SRA
2473
       1144
                        TAD [4000
2474
       6400
                        KSB
2405
                        JMP I .+1
       5606
2496
       0203
                        START-1
2407
              PUNCH,
       7040
                        CMA
2410
       1527
                        TAD I PLACE
2411
       3011
                        DCA TEMP
2412
       1411
                        TAD I TEMP
2413
       3222
                       DCA COUNTR
2414
       2222
                        ISZ COUNTR
2415
       7410
                        SKP
2416
       5623
                       JMP I IDONF
2417
       1411
                       TAD I TEMP
2420
       4020
                       JMS TYPE
2421
       5214
                       JMP .-5
2422
              COUNTR,
       0000
                       0
2423
       0361
              IDONE.
                       DONE
              *440
0440
       0600
                       SPACE
0441
       0602
                       EXCLAM
0442
       0604
                       DOUOTE
0443
       0607
                       NOSIGN
7444
       0620
                       DOLLAR
9445
       0626
                       PFRCNT
0446
                       AMPRSD
       0635
0447
       2645
                       SQUOTE
9450
       0647
                       OPARFN
2451
       0654
                       CPAREN
9452
       0661
                       ASTRSK
9453
       0667
                       PLUS
1054
       0675
                       COMMA
0455
       0700
                       MINUS
7456
       9705
                       PFRIOD
0457
       0707
                       SLASH
9469
       1174
                       0
9461
       9716
                       KI
7462
       7724
                       K2
9463
       0732
                       K3
PA64
       9740
                       K4
0465
       2746
                       K5
0466
       0754
                       K6
0467
       0762
                       X7
2470
       0770
                       K8
0471
       2776
                       K9
0472
       1004
                       COLON
0473
       1006
                       SCOLON
0474
       1011
                       LESS
9475
       1916
                       FOUALS
```



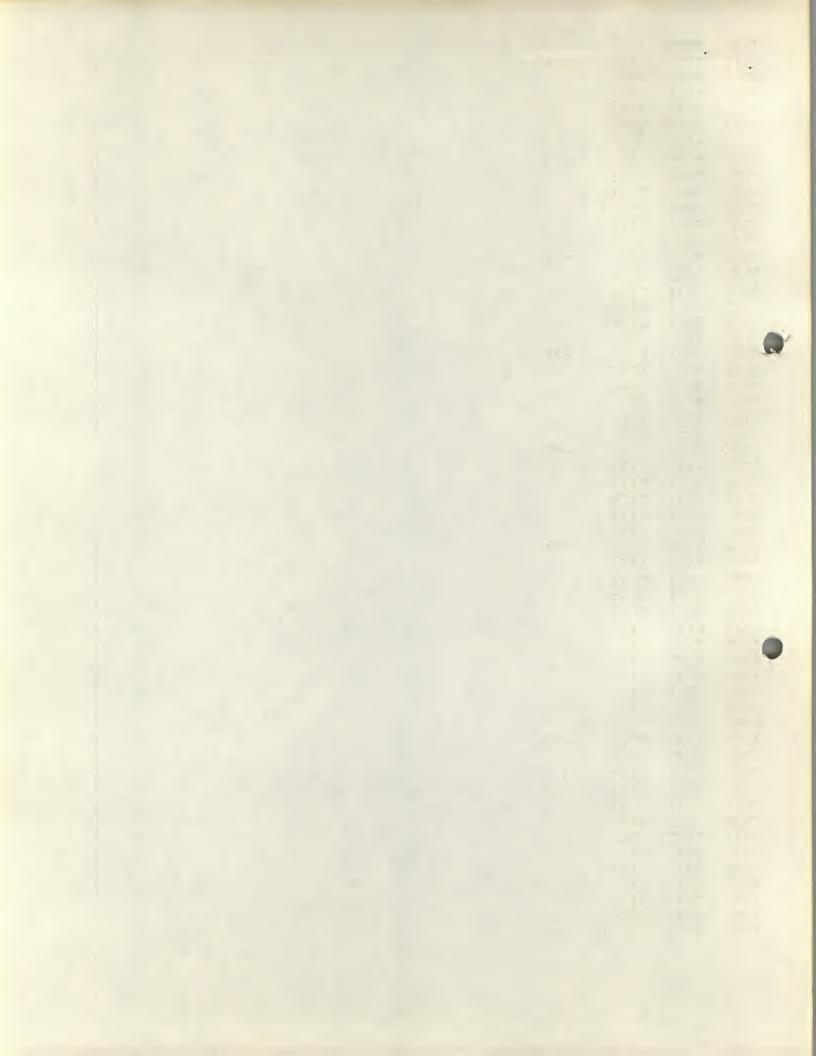
```
0476
       1024
                        MORE
04.77
       1031
                        AUESTN
05 00
       1037
                        ATSIGN
0501
       1051
05 02
       1256
                        3
                        C
05 03
       1064
                        DEF
95 04
       1072
05 05
       1100
95 96
       1106
                        G
0507
       1114
                        H
0510
       1122
P5 11
       1130
                        KI
Ø5 12
       1136
                        J
0513
       1144
                        K
0514
       1152
                        1.
PS 15
       1160
                        M
                        N
9516
       1166
                        0
0517
       1174
                        P
7520
       1202
2521
                        0
       1210
0522
                        R
       1216
                        S
Ø523
       1224
0524
       1232
                        T
9525
                        IJ.
       1240
9526
                        V
       1246
                        W
0527
       1254
0530
       1262
                        X
0531
       1270
                        Y
25 32
       1276
                        KZ.
0533
       1304
                        OBRACK
9534
       1311
                        BSLASH
05 35
       1320
                        CBRACK
0536
       1325
                        MARROW
0537
       1333
                        BARROW
              *600
2600
       7776
              SPACE, -2;
2691
       0000
              EXCLAM, -2;
1602
       7776
7603
       @237
              237
              DOUOTF, -3:
9694
       7775
0605
       0007
              7:
9686
       0007
              7
9697
       7767
              NOSIGN, -11:
9619
       0064
              64:
0611
       0024
              24:
              34:
0612
       0034
0613
       0064
              64:
9614
       2026
              26;
P615
       0034
              34:
9616
       0024
              24:
9617
       0026
              26
0620
       7772
              DOLLAR, -6:
M621
       9196
              106:
6655
       0211
              211:
0623
       9377
              377:
062A
       2211
              211:
```



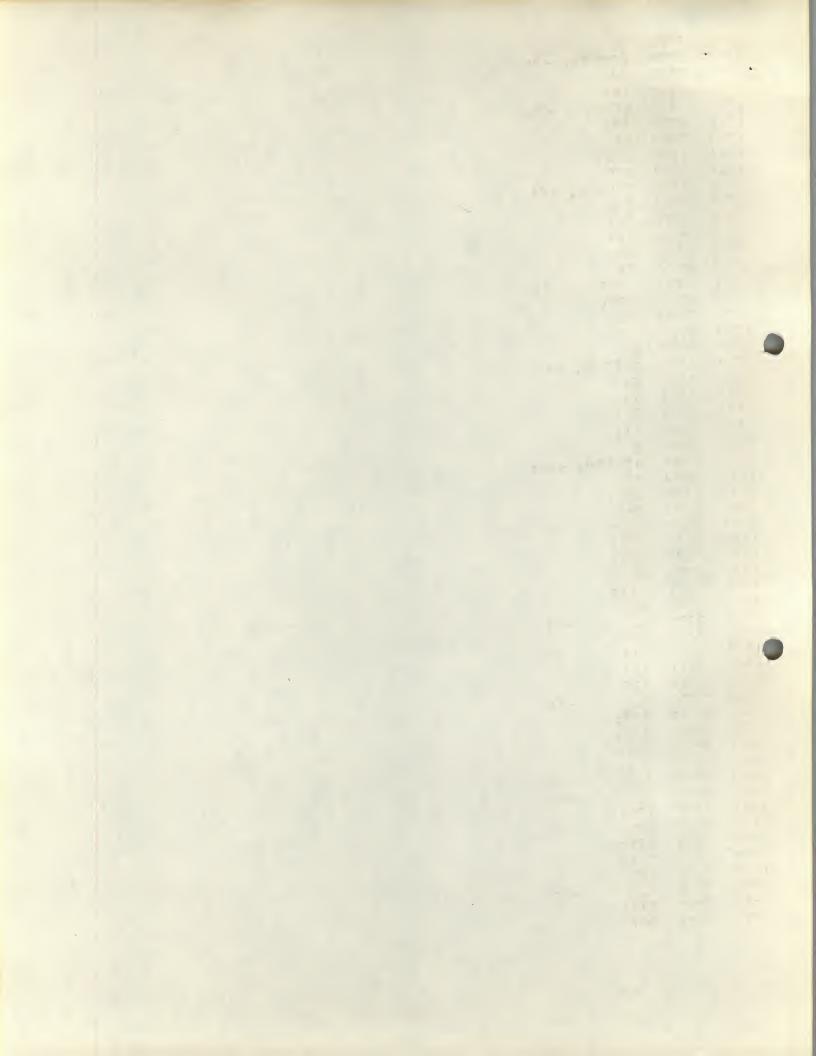
```
0625
       Ø162
              162
              PFRCNT, -7:
0526
       7771
0627
       0307
              307:
2630
              45:
       0045
0631
       0027
              27:
0632
       9359
              35 0:
0633
       0244
              244:
0634
       P343
              343
6635
              AMPRSD, -10:
       7770
9636
       0142
              142:
9637
       0225
              225:
2640
       @211
              211:
7641
       0226
              226:
9642
       0140
              140:
9643
       0140
              140:
7644
       0220
              220
0645
       7776
              SOUOTE, -2:
0646
       0007
2647
              OPAREN, -5:
       7773
9650
       0074
              74:
0651
       0102
              102:
9652
       0201
              201:
7653
       0201
              201
7654
       7773
              CPAREN. -5:
3655
              201:
       0201
0656
       0201
              201:
0657
       0102
              102:
0660
       0074
              74
9661
       7772
              ASTRSK, -6:
M662
       0052
              52:
M663
       0034
              34:
0664
       0010
              10:
0665
       0034
              34:
M666
       0052
              52
P667
       7772
              PLUS,
                     -6:
9679
       0010
              10:
0571
       0010
              10:
0672
       0076
              76:
0673
       0010
              10:
9674
       9919
              10
              COMMA.
                       -3;
0675
       7775
0676
       0200
              200:
0677
       0140
              140
                       -5:
9799
       7773
              MINUS.
0701
       0010
              10:
9792
       0010
              10:
0723
       0010
              10:
0704
       0010
              10
0705
       7776
              PFRIOD, -2;
2796
       0200
              200
0707
              SLASH,
       7771
                       -7:
              300:
9719
       0300
7711
       0040
              40:
0712
       MSNN
              :75
7713
       MAIN
              10:
7714
       PPP4
              4:
```



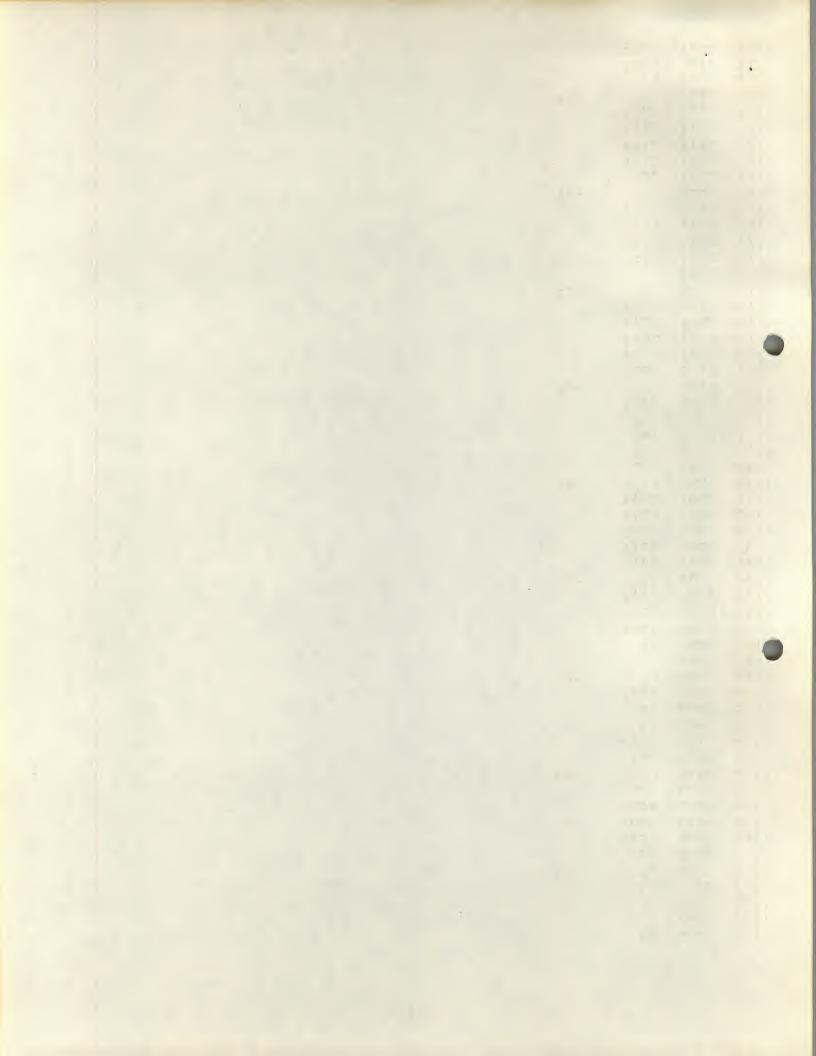
```
0715
       0003
              K1,
       7772
9716
                        -6:
0717
       0204
              204:
2720
       0202
              202:
0721
       0377
              377:
9722
       0200
              200:
7723
       0200
              200
0724
              K2,
       7772
                        -6:
7725
              302:
       0372
2726
       0241
              241:
2727
       0221
              221;
6730
       0211
              211;
0731
       0206
              206
              K3,
0732
       7772
                        -6:
@733
       0102
              102:
P734
       0211
              211:
@735
       0211
              211;
M736
              211:
       9211
2737
       0166
              166
0740
       7772
              K4,
                        -6:
0741
       0017
              17:
2742
       2010
              10:
7743
       0010
              10:
7744
       0010
              10;
0745
       0377
              377
              K5,
0746
       7772
                        -6:
0747
       0117
              117:
9750
       0211
              211:
0751
       0211
              211:
9752
       0211
              211:
0753
       0161
              161
9754
                        -6;
       7772
              K6,
2755
       0176
              176:
2756
       0221
              221:
       0221
2757
              221:
0760
       0221
              221;
9761
       Ø142
7772
              142
0762
              K7,
                        -6:
9763
       0003
              3:
9764
       0341
              341:
0765
       0021
              21:
0766
       0011
              11:
P767
       0007
              7
9779
              K8.
                        -6;
       7772
9771
       0166
              166:
7772
       7211
              211;
0773
       0211
              211;
M774
       P211
              211:
7775
       P166
              166
                        -6:
7776
       7772
              K9.
7777
       0006
              6:
1000
       0011
              11;
1001
       0011
              11;
1002
       0011
              11:
1223
       P376
              376
1094
       7775
              COLON,
                        -2;
```



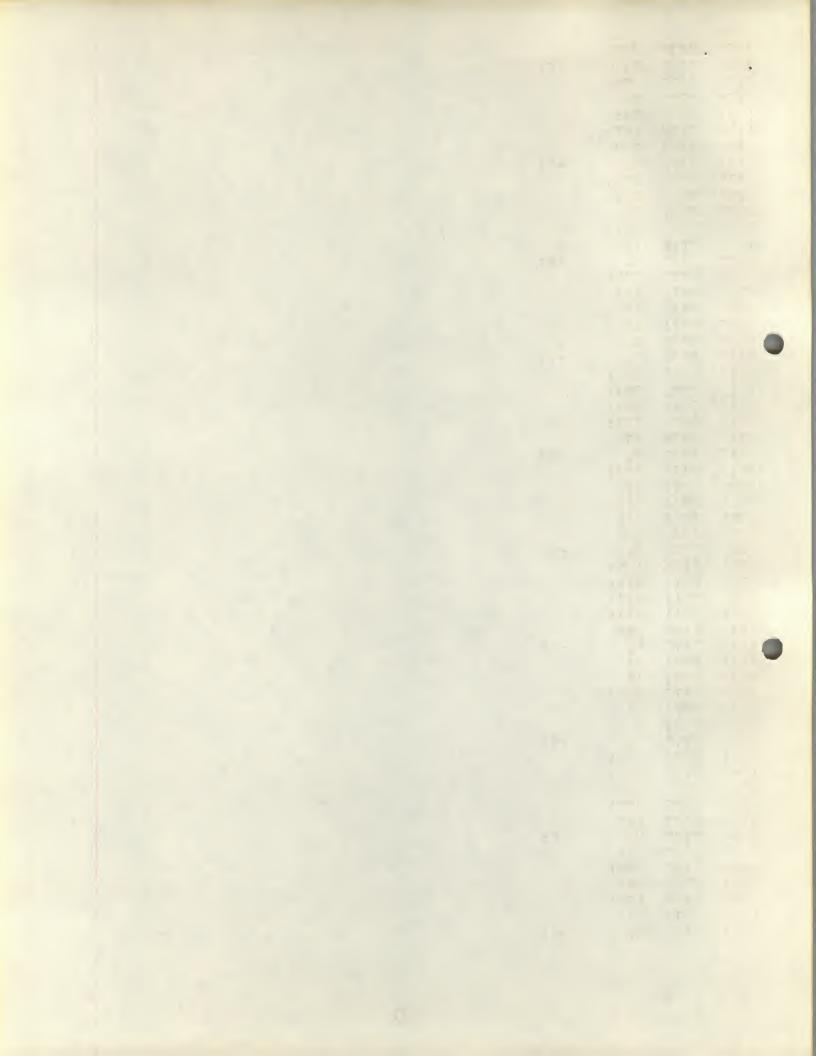
```
1005
          0024
                 24
   1006
          7775
                 SCOLON, -3:
  1007
          0200
                 200:
   1010
          0150
                 150
   1011
          7773
                 LFSS,
                           -5;
   1012
          0020
                 20:
   1013
          0050
                 50:
   1014
          0104
                 104:
   1015
          6505
                 202
   1016
                 EQUALS; -6:
          7772
   1017
          MM24
                 24:
  1020
          0024
                 24:
  1021
          0024
                 24;
  1022
         0024
                24;
  1023
         0024
                24
                MORE,
  1024
         7773
                          -5:
  1025
         0202
                202;
  1026
         0104
                104:
  1027
         0050
                50:
  1030
         0050
                20
  1031
                QUESTN, -6:
         7772
  1932
         0006
                6:
  1033
         0001
                1;
  1034
         7261
                261:
  1035
         0011
                11:
 1036
        0006
                6
 1037
               ATSIGN, -12:
        7766
 1040
        0074
               74:
 1041
        0102
                102;
 1942
        0231
               231;
 1043
        0245
               245:
 1044
        0245
               245:
 1045
        2275
               275;
 1946
        0221
               221:
 1047
        0111
               111:
 1050
        0046
               46
 1051
        7773
               A,
376;
                         -5:
 1052
        2376
 1053
        9911
               11:
 1954
        0011
               11:
 1255
        0376
               376
1956
       7772
              3,
                        -6:
1057
       0377
              377:
1959
       0211
              211:
1051
       0211
              211:
1062
       M211
              211:
1263
       0156
              166
1054
       7772
              С,
                        -6:
1065
       0176
              176:
       0201
1956
              201:
1067
       0201
              201:
1979
       0201
              201:
1071
       0102
              102
1972
       7772
              n,
                       -6:
1073
      0377
              377:
1274
      F201
             201:
```



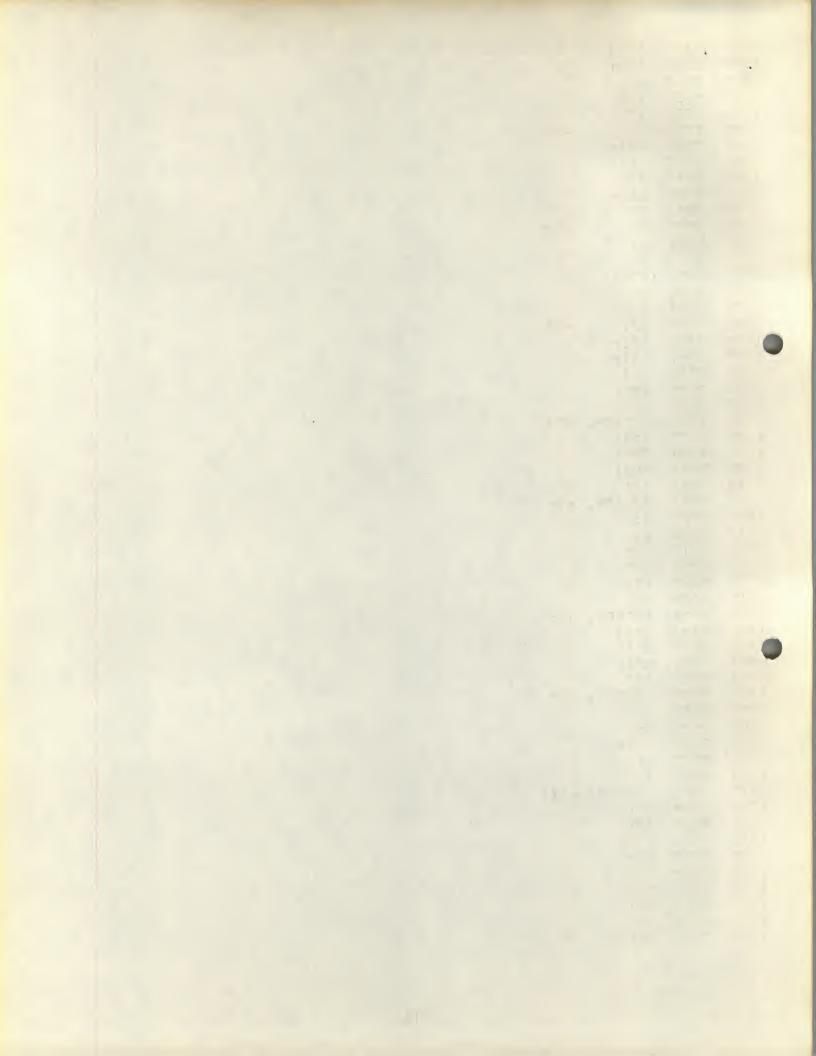
```
1075
       0201
              201;
1076
       0102
              102:
1077
       0074
              74
              E,
377:
                        -6:
       7772
1100
11.01
       0377
1102
       7211
              211:
1103
       0211
              211:
       0211
1104
              211:
1195
       7201
              201
1195
       7772
                        -6:
              377;
       0377
1107
       0011
               11;
1110
       0011
1111
               11:
       0011
               11;
1112
       0001
1113
              1
              G,
176;
       7772
1114
                        -6:
1115
       2176
1116
       0201
              271:
117
       0221
              221;
1120
       7221
              221:
       0352
               362
1121
              Н,
1122
       7772
                         -6:
1123
       0377
               377:
       0010
1124
              10:
1125
       0010
              10:
       0010
1126
               10:
       0377
               377
1127
              KI,
201:
1130
       7772
                         -6;
       0201
1131
1132
       0201
              201:
1133
       0377
               377:
1134
       0201
              201:
1135
       0201
               201
              J.
301:
       7772
1136
                         -6:
1137
       0301
1140
       M201
              201:
1141
       0377
               377:
142
       0001
               1:
1143
       0001
               1
1144
       7772
               K,
377;
                         -6:
1145
       0377
       0030
1146
               30:
1147
       0044
               44:
1150
       0102
               102;
1151
       0201
               201
1152
       7772
               L,
377;
                         -6:
1153
       9377
1154
       2200
               200:
1155
       0200
               200:
1156
       0200
               200:
       0200
               200
1157
1160
       7772
               M,
377;
                         -6:
1161
       0377
               2:
1162
       9992
1163
       2004
               4:
1154
       0002
               2:
```



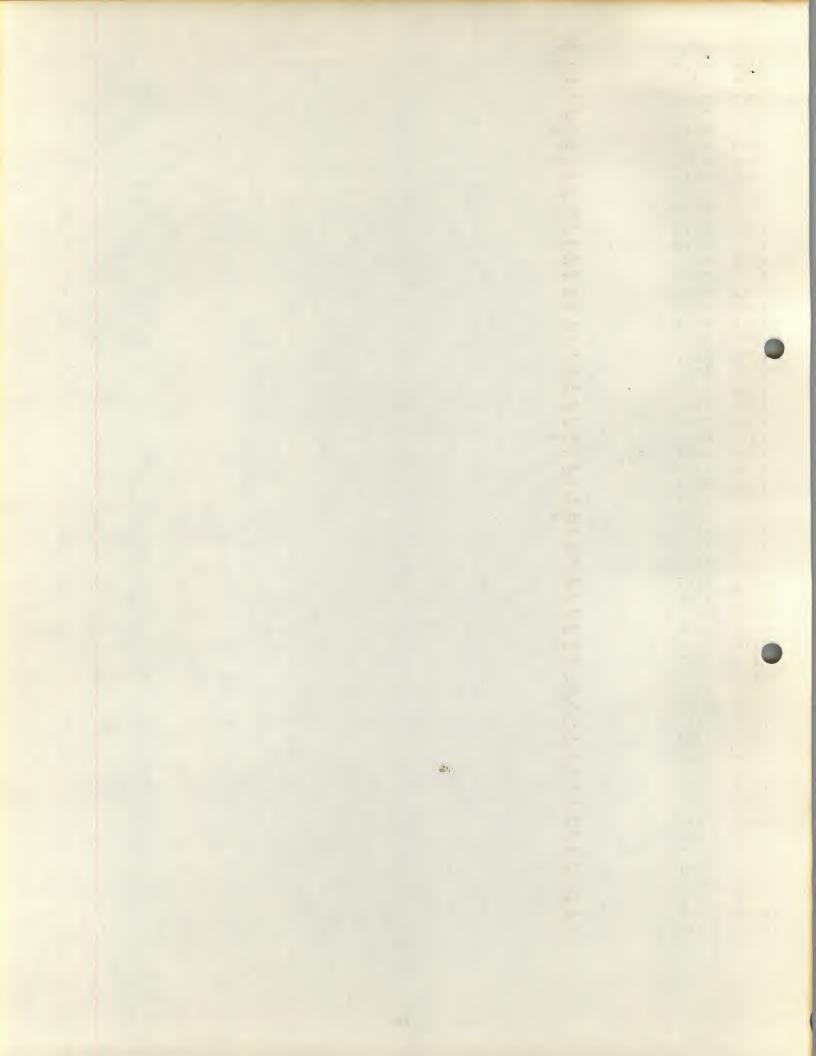
```
1165 . 0377
               377
               N,
1166
       7772
                        -6:
1167
       0377
               377:
1170
       0002
               2:
1171
       0074
              74:
1172
       0100
               100;
1173
       0377
               377
1174
       7772
               0,
                        -6:
1175
       0176
               176;
1176
       0201
              201:
1177
       0201
              201;
1200
       0201
              201:
1201
       @176
               176
              P,
1272
       7772
                        -6;
1203
       0377
              377:
1274
       0011
              11:
1205
       0011
              11:
1206
       0011
              11:
1207
       0006
              6
1210
              Ω,
       7772
                        -6:
1211
       0176
              176;
1212
       0201
              201:
1213
       0241
              241:
1214
              301;
       0301
1215
       7276
              276
1216
       7772
              P,
                        -6;
1217
       0377
              377:
1220
       0011
              11;
1221
       0031
              31:
1222
       2251
              51:
1223
       0306
              306
1224
       7772
              S,
                        -6:
1225
       0106
              106:
1226
       0211
              211:
1227
       9211
              211;
1230
       P211
              211;
1231
       0162
              162
1232
              T,
       7772
                        -6:
1233
       0001
              1:
1234
       0001
              1;
1235
       £377
              377:
1236
       0001
              1:
1237
       man 1
              1
1240
       7772
              11,
                        -6:
1241
       0377
              377;
       0200
1242
              200:
1243
       9200
              200:
1244
       0200
              200:
1245
       0377
              377
              V,
1246
       7772
                        -6:
1247
       0077
              77:
1250
       0100
              100:
1251
       9200
              200:
1252
       PIRA
              100:
1253
       9977
              77
1354
       7772
              W,
                        -6:
```



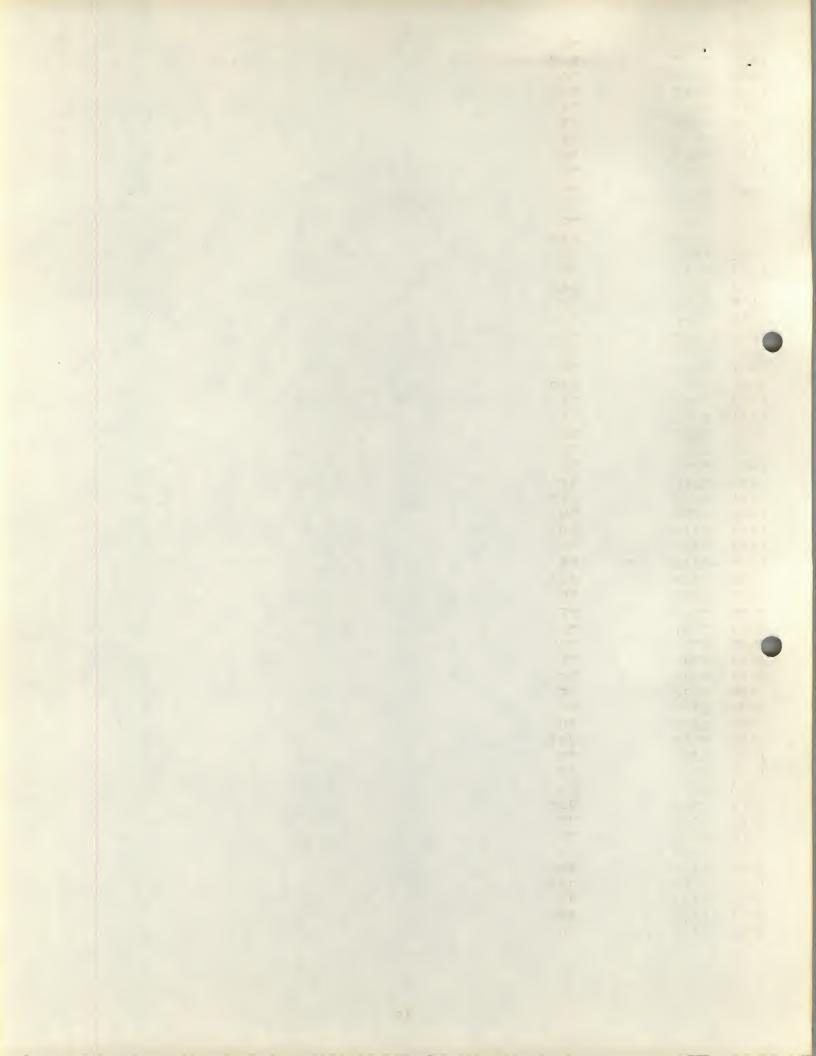
```
1255
       .0377
               377;
 1256
        0100
               100:
 1257
        0040
               40:
 1260
        0100
               120:
 1261
        0377
               377
1262
        7772
                         -6:
               Χ,
 1263
        2221
               201:
1264
        0146
               145:
1265
        0030
               30:
1256
       @146
               145:
1267
       0201
               201
1270
       7772
               Υ,
                       . -6:
1271
1272
       0001
               1:
               2;
       0002
1273
       P374
               374:
1274
       0002
              2;
1275
       9001
               1
1276
       7772
               KZ,
                        -6;
1277
       0301
               301:
1300
       0241
              241:
1301
       0231
              231:
1302
       0205
              205:
1303
       2203
              203
1304
              OBRACK, -5:
       7773
1305
       0377
              377:
1306
       0201
              201:
1307
       0201
              201:
1310
       0201
              201
1311
       7771
              BSLASH, -7:
1312
       0003
              3:
1313
       0004
              4:
1314
       0010
              10:
1315
       0020
              20:
1316
       MAM
              40:
1317
       0300
              300
1320
       7773
              CBRACK, -5;
1321
       7201
              201:
1322
       0201
              201:
1323
       0201
              201;
1324
       0377
              377
1325
              MARROW, -6;
       7772
1326
       0004
              4;
1327
       0002
              2;
1330
              377:
       0377
1331
       6645
              2;
1332
       0004
              4
1333
       7767
              BARROW, -11:
1334
       0020
              20:
1335
       0070
              70:
1336
       0124
              124:
1337
       M SW W
              20:
1340
       0020
              20:
1341
       G GO G
              30:
1342
       COUNT
              20:
1343
       9929
              20
1344
       0304
              OHFS,
                       . D.
```



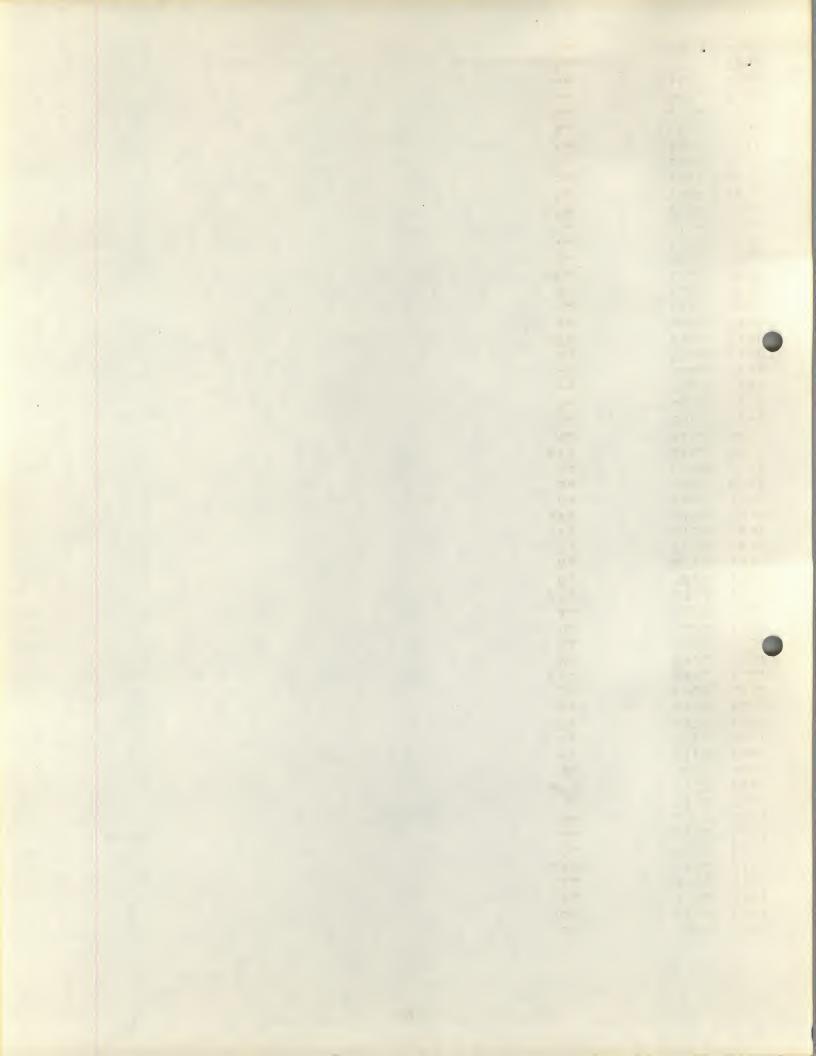
1345	0317		"0
1346	0240		240
1347	Ø331		"Y
1350	0317	•	"0
1351	0325		<b>"</b> U
1352	0240		240
1353	0327		W
1354	0301		"A
1355	0316		** N
1356	Ø324		"T
1357	7240		240
1361	Ø311 Ø316		" Ĭ
1362	0323		"S
1363	0324		"T
1364	2322		."R
1365	0325		**!]
1366	0303		"C
1367	0324		"T
1370	0311		"Î
1371	0317		"0
1372	P316		•• N
1373	0323		"S
1374	277		"?
1375	0240		240
1376	0324	YES,	** T
1377	0310		H.
1400	0311		"I
1401	0323		"S
1403	9320		240 "P
1404	0322		"R
1495	Ø317		•• 0
1406	0307		"G
1497	0322		"R
1410	0301		"A
1411	2315		M.
412	0240		247
1413	0327		•• 1/1
1414	2311		" I
1415	0314		"1
1416	0314		"L
1417	0240		249 "P
1421	0325		••U
1422	Ø316		•• N
1423	0303		"C
1424	0310		•• 4
1425	2240		240
1426	0322		"R
1427	0305		- "E
1430	0301		** A
1431	0304		** D
1432	0301		** A
1433	0302		3
1134	0314		"L



1435	9305	"F
1436	Ø24Ø Ø3Ø3	240 "C
1440	0310	•н
1441	0301	** 4
1442	0322	"R
1443	2321	•• Д
1444	0303 0324	"C
1446	0305	** F.
1447	Ø322	"R
1450	0323	"S
1451	0240	240
1452 1453	Ø317 Ø316	"O
1454	0240	240
1455	0320	**P
1456	0301	** A
457	0320	" P
1460	0305 0322	"F
1462	0240	240
1463	0324	"T
1464	0301	**A
1465	0320	" P
1466 1467	0305	E
1470	Ø256 Ø215	215
1471	0212	212
1472	0327	** (4
1473	0310	• н
1474	9395 9316	"F
1476	0240	240
1477	0322	"R
1500	0305	"F
1501	M321	
1503	0325	"!! "F
1504	0323	"S
1505	9324	"T
1506	0305	**F
1507	0304	"D
1511	0240 0324	249 "T
1512	0317	. "0
1513	0254	",
1514	0240	240
15 15	0324	"T
1516	0331 0320	"Y
1520	0305	#F
1521	0240	247
1522	0331	"Y
1523	9317	.0
1524	0325	"U



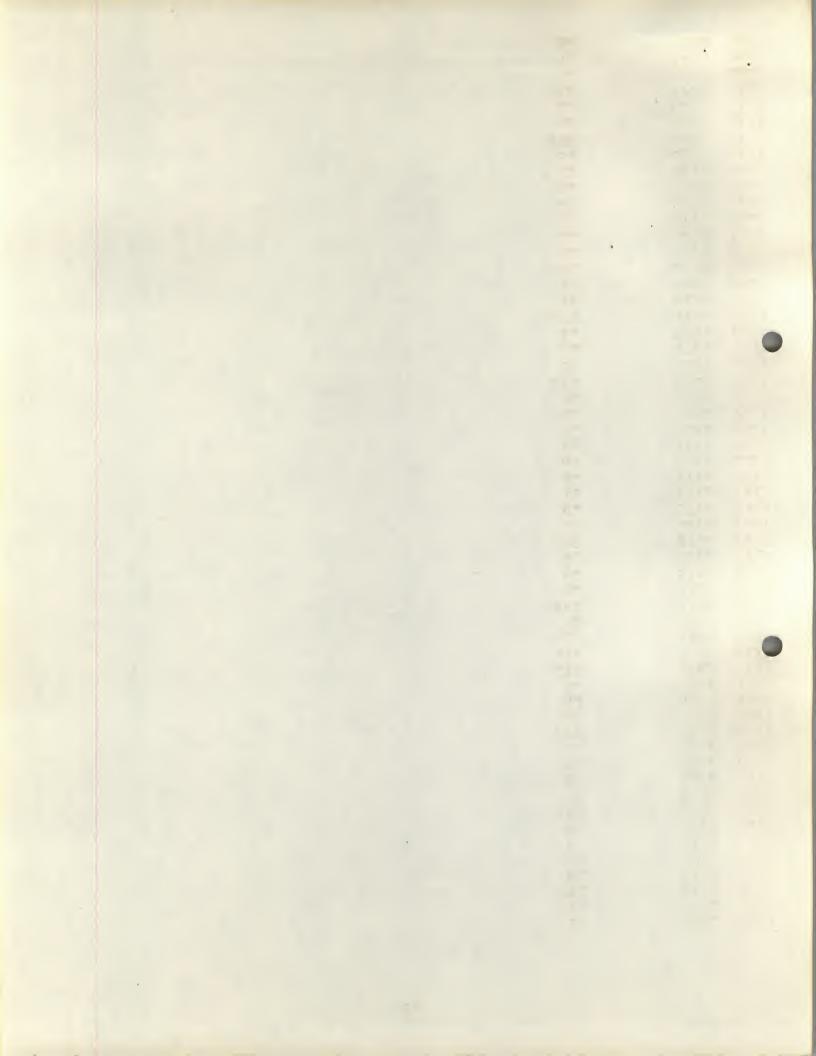
1525	9322	"R
1526	0240	240
1527	0315	Ma.
1530	0305	** F
1531	0323	"S
1532	Ø323	"S
1533	0301	** 4
1534	9397	
15.35	0305	
1536 1537	0256	".
1540	0240	240
1541	Ø31Ø Ø311	"I
1542	0324	" T
1543	0240	240
1544	9324	"T
15.45	0310	"H
1546	0305	as 2.
1547	0240	248
1550	0322	"R
1551	0305	E
1552	0324	** T
1553	0325	"U
1554	0322	"R
1555 1556	0316	N
1557	Ø24Ø Ø313	240
1560	0305	"k
1561	0331	"Y
1562	0215	215
1563	0212	212
1564	0301	** A
1565	0316	- N
1566	0304	" D
1567	0240	240
1570	0324	- "T
1571	0325 0322	"U "R
1573	0316	** N
1574	0240	240
1575	9317	**0
1576	0316	•• N
1577	0240	247
1600	0324	"T
1601	0310	. "H
1602	0305	"F.
1603	0240	247
1604	M314	
1606	0323 0320	"S
1607	0256	• ••
1510	0240	240
1611	0324	"T;
1612	0331	"Y:
1613	0320	" P.
1614	<b>6362</b>	#F.



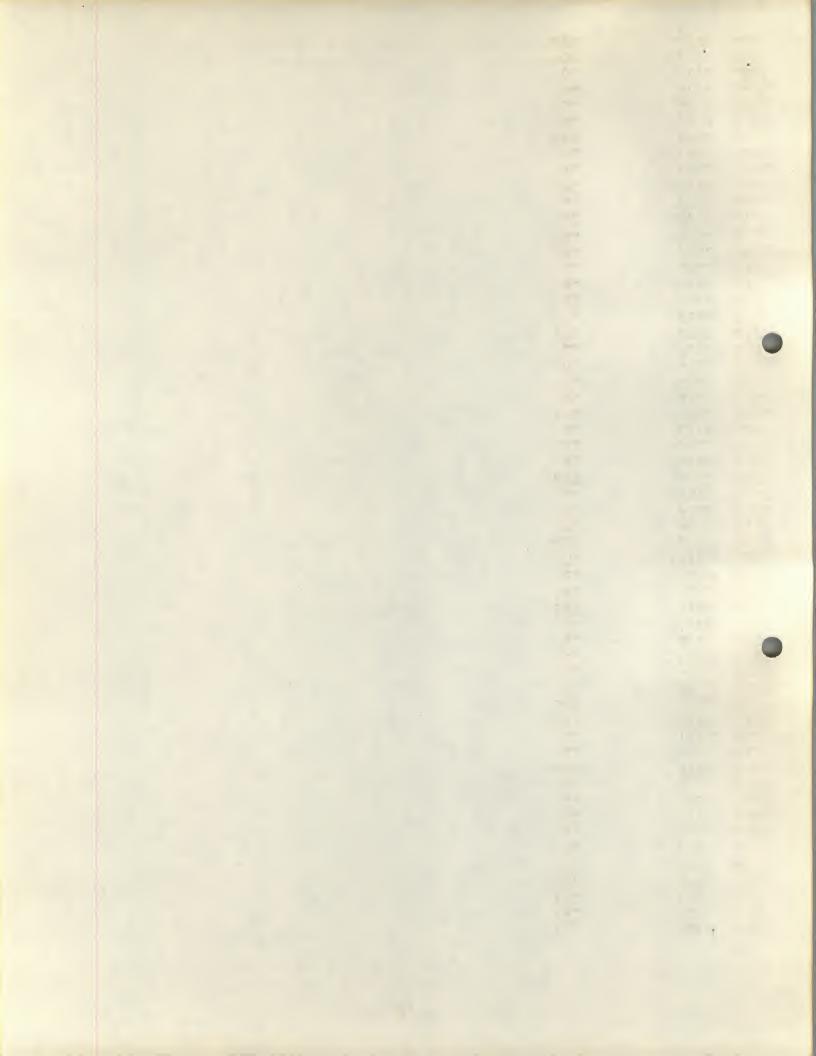
1615	0240	240
1616	0301	"A:
1617	0316	** N
1620	0331	
		"Y;
1621	0240	240
1622	0303	"C:
1623	0310	"H:
1624	0301	** 4
1625	0322	"R;
1626	0301	*4:
1627	0303	"C;
1630	2324	"T:
1631	0305	99 17 0
1532	9322	"F:
		"R:
1633	0240	240
1534	0301	"A:
1635	0316	"N:
1636	0304	"D:
637	0240	240
1640	9311	"I:
1641	0324	"T:
1642	0240	240
1543	0327	10 to 1
1544	0311	** 7
1645		"I;
	0314	"L:
1646	0314	"L:
1647	0240	240:
1650	0302	"B:
1651	0305	"E
1652	0307	"G:
1653	0311	"I:
1654	0316	" N :
1655	Ø256	**
1656	0215	215
1657	0212	212
1660		
	0314	"L
1661	0305	# F
562	0301	* 4
1663	0304	"D
1664	0305	"F
1665	0322	"R
1566	0257	"/
1667	0324	"T
1570	0322	"R
1671	9301	** A
1672	9311	"I
1673	0314	*L
1674	-	*F
	0305	
1675	0322	"R
1676	P240	240
1577	0324	"T
1700	0301	** A
1701	0320	** P
1792	M3M5	"F
1703	M240	240
1784	2327	•• W
1		.,,



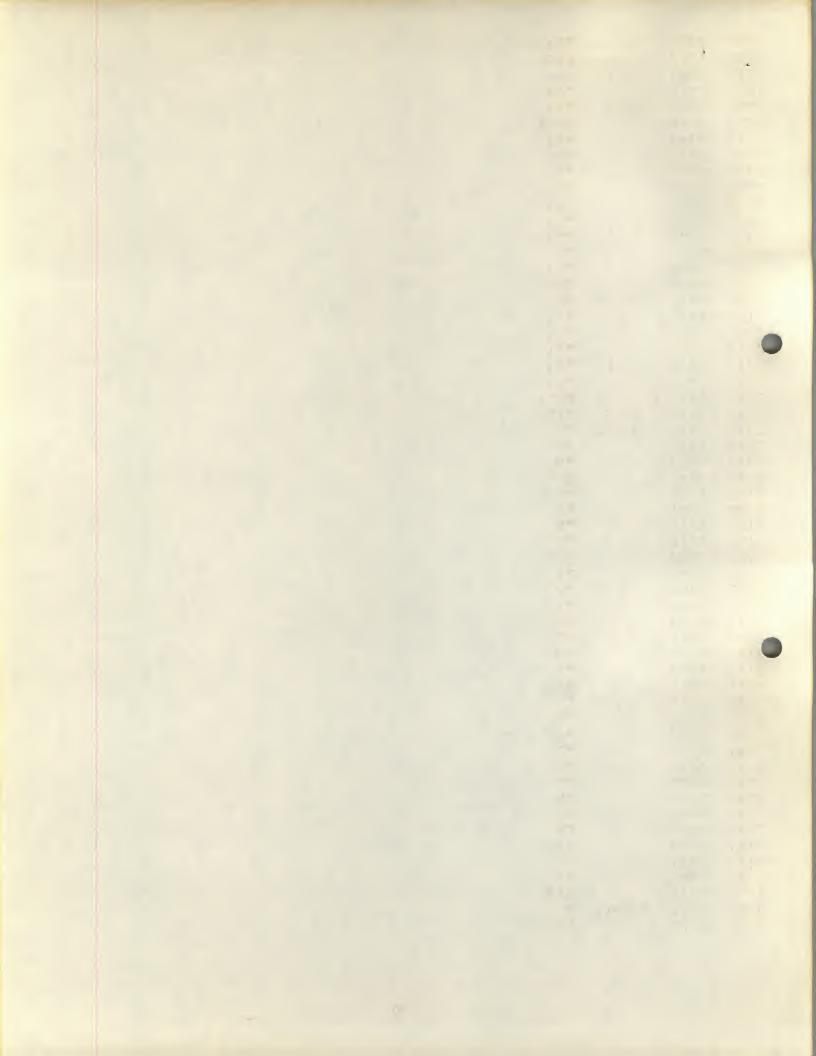
1705	0311	"I
17.06	0314	"L
1707	0314	"L
1710	0240	24
1711	0302	<b>"</b> B
1712	0305	म्"
1713	0240	24
1714	0320	"P
1716	Ø325 Ø316	<b>"</b> U
1717	0303	"N
1720	0310	. "Н
1721	0305	* * * * * * * * * * * * * * * * * * * *
1722	0304	" D
1723	0240	249
1724	0301	** A
1725	0324	"T
1726	0240	240
1727	9324	"T
1730	0310	<b>"</b> H
1731	0305	"E
1732 1733	0240	240
1734	0305	"B
1735	0307	"G
1736	0311	*I
1737	0316	* N
1740	0316	**N
1741	0311	"I
1742	0316	*N
1743	0307	"G
1744	0240	240
1746	0316	"A
1747	0304	** D
1750	M240	240
1751	0301	"A
1752	0324	*T
753	0215	215
1754	0212	212
1755 1756	9324	"T
1757	0310	"H
1760	0240	*F
1761	0305	~F
1752	9316	* N
1763	0304	"D
1764	0256	. " .
1765	0240	240
1766	0327	"W
1767	0310	•н
1770 1771	0305	** F
1772	0240	"N
1773	0311	240 "I
1774	0324	"T
		1



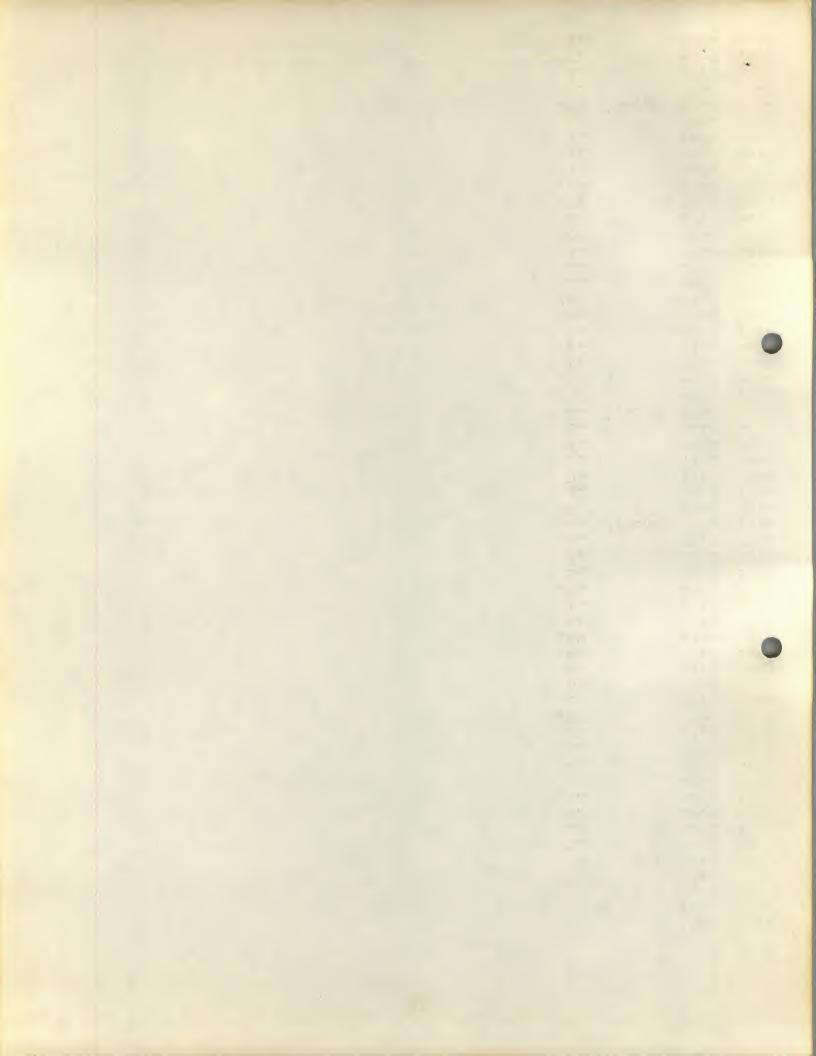
	1775	0240	240
	1776	0303	"C
	1777	Ø317 Ø315	.0 "W
	2001	0305	** F
	2002	0323	"S
	2003	0240	240
	2004	0301 0324	"A
	2006	0240	240
	2007	0324	T
	2010	9310	**H
	2012	0305 0240	o A G
	2013	0305	240 "F
	2014	0316	•• N
	2015	0304	D
	2016	0254	",
	020	0240 0324	24¢
	2021	0325	<b>"</b> Ú
	2022	0322	"R
	2023	0316	** N
	2025	Ø24Ø Ø317	240
	2026	0306	*F
	2027	0306	<b>"</b> F
	2030	0240	240
	2031	0324 0310	T"
	2033	0305	*E
	2034	0240	240
	2035	Ø314	"L
	2036	Ø323 Ø32Ø	"S
	2040	0240	240
	2941	0301	•• 4
1	3042	0306	* F
4	2043	Ø324 Ø3Ø5	"Ł
	2045	0322	"P
	2046	0215	215
	2047	M212	212
	2051	0311 0324	"I
	2052	0240	240
	2053	9323	"S
	2054	2324	"T
	2055	Ø317 Ø32Ø	**O
	2057	0320	"S
	2060	0256	
	2661	9249	240
	2062	Ø324 Ø331	"T:
	SURA	0331	"Y:



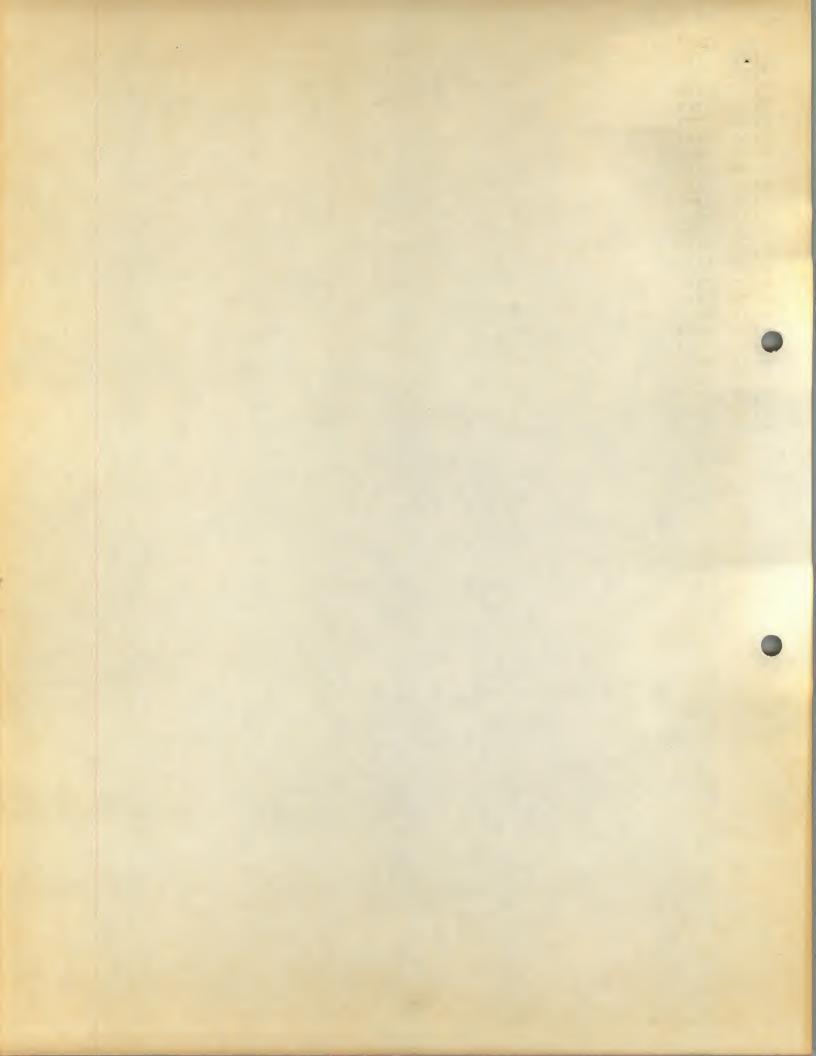
```
2065
                         at.
        0305
2066
        0240
                         240:
2067
        0301
                          ** A
2070
                          " N:
        0316
2071
        0331
                          "Y:
2072
        0240
                         247:
2973
                          "C:
       9393
2074
                          "4:
        0310
                          " A :
2075
        0301
2776
                          "R
        0322
2077
                          "A:
        0301
2100
                          "C:
        0303
                         "T;
2101
        0324
                         "F.
2122
       2325
2103
                          "R:
        0322
2194
        7240
                         240;
2105
        0301
                          ** A
                         "G:
2106
        0307
2107
                         "A:
        0301
                         "I:
        Ø311
2111
                         " N:
        0316
2112
        0256
                          ** . .
2113
       @215
                         215:
2114
       0212
                         212
2115
                         W H
               QUES2,
        0310
                         ..0
2116
        0317
                         .. V!
2117
       0327
2120
                         240
       0240
2121
                         ... M
       0315
2122
                         "A
       0301
                         .. N
2123
       0316
                          "Y
2124
       0331
2125
       0240
                         240
                         "1
2126
       2261
2127
       0257
2130
                         * 1
       0261
2131
                         .. 0
       0260
2132
       0324
                         "T
                         * H
2133
       9310
2134
                         "S
       0323
2135
       0240
                         240
2136
       0317
                         "0
                         ** F
2137
       0306
2140
       0240
                         240
2141
                         ** I
       0311
2142
                         .. N
       0316
2143
                         "C
       0303
2144
       0310
                         "H
                         .. F.
2145
       0305
                         "S
2146
       0323
2147
       0240
                         249
2150
       0317
                         ..0
                         *F
2151
       9396
2152
                         247
       0240
2153
               STOPI,
                         .. L
       0314
                         as [1.
2154
       0305
```



```
2155
                         ** A
       0301
                         ** D
2156
       0304
                         *F
2157
       0305
                         "R
2160
       0322
               STOP2,
2161
                         240
       0240
                         "T
2162
       0324
                          ** 4
2163
       P301
                         " P
2164
       0320
                         * F
2165
       0305
2166
       0240
                         240
2167
                         " D
       2304
                         ..0
2170
       M317
                         247
2171
       0240
2172
                         "Y
       0331
2173
       0317
                         .0
                         "U.
2174
       0325
2175
                         240
       9240
                         ** 141
2176
       0327
                         ** 4
2177
       0301
200
                         .. N
       @316
                         "T
2201
       0324
                         "?
22/12
       0277
2203
       0240
                         240
2204
               QUES3,
                         "T
       0324
                         "R
2205
       0322
                         *4
2206
       0301
                         "I
2207
       0311
                         "L
2210
       0314
                         ** F
2211
       0305
                         ** R
2212
       0322
2213
                          "T
       0324
               QUES4,
                          "Y
2214
       0331
                         " P
2215
       0320
2216
                         20 E
       0305
2217
       9240
                         240
                         " I
2220
       0311
2221
                          ·· N
       0316
                         240
       0240
223
                          ** Y
       0331
2224
                          " O
       Ø317
                          ....
2225
       0325
                          "R
2226
       0322
2227
                          240
       9249
                         ** M
2230
       0315
                          40 E
2231
       0305
                         "S
2232
       0323
                          "S
2233
       0323
2234
                          ** A
       0301
                          ** G
2235
       0307
                          ** 1
2236
       0305
                          ** .
2237
       0256
               FND,
2240
       0000
                          0
@144
       4000
0145
       0203
MIAG
       MS MA
0147
       7441
```



0150	7540
@151	2212
@152	7753
0153	2160
0154	7755
0155	2203
Ø156	7771
0157	7742
0160	2114
0151.	7711
P162	1375
@163	7261
0164	7447
0165	0032
0166	1343
2167	7746
0170	7146
0171	0017
3172	0334
173	7563
0174	7401
0175	
-	7670
Ø176	7212
0177	0215
1BS	



	4	1051	ACCEPT	0036	AMPRSD	0635	ASTRSK	0661
	ATSIGN	1037	B	1056	BARROW	1333	BSLASH	1311
	C	1064	CBRACK	1320	CHECK	0002	COLON	1004
	COMMA	0675	COUNTR	2422	CPAREN	0654	CRLF	0024
	D	1072	DOLLAR	2628	DONE	0361	DOUOTE	0604
	F	1100	END.	2240	EQUALS	1016	EXCLAM	0602
	ঘ	1106	FINISH	0130	G	1114	H	1122
	IDONE	2423	INSTR	0032	J	1136	K	1144
	VI	1130	KJ	2125	KNUM	0124	KSTORE	0034
	vZ.	1276	K1	0716	K2	0724	K3	0732
	v4	0740	K5.	0.746	K6	0754	K7	0762
	V8	0770	K9	2776	L	1152	LESS	1011
	M	1160	MAX	0132	MINUS	0700	MORE	1024
	AT	1166	NO	0233	NOSIGN	0607	NTDONE	0340
	NUMBER	0075	0	1174	OBRACK	1304	OPAREN	0647
	P	1202	PERCNT	2626	PERIOD	0705	PLACE	0127
	PLUS	0667	PUNCH	2407	0	1210	QUES	1344
4	QUESTN	1031	QUES2	2115	QUES3	2204	QUES4	2213
		1216	RETURN	@126	RUBOUT	0062	S	1224
	SCOLON	1006	SLASH	0707	SPACE	0600	SQUOTE	0645
	SRA	6417	START	0204	STOPI	2153	STOP2	2161
	STORE	0035	T	1232	TEMP	0011	TYPE	0020
	11	1240	UARROW	1325	UND	6403	V	1246
	19	1254	X	1262	Y	1270	YES	1376

